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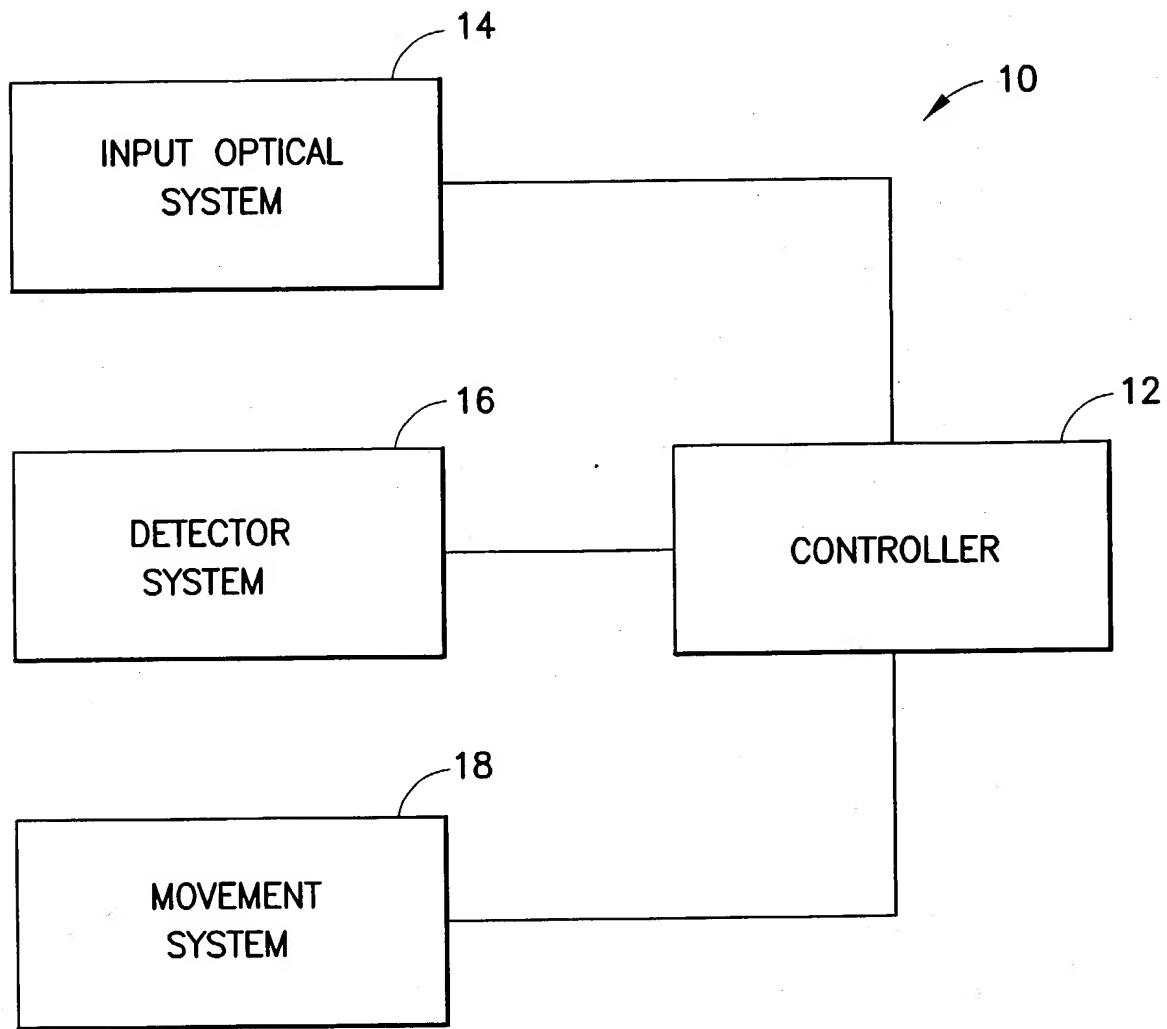
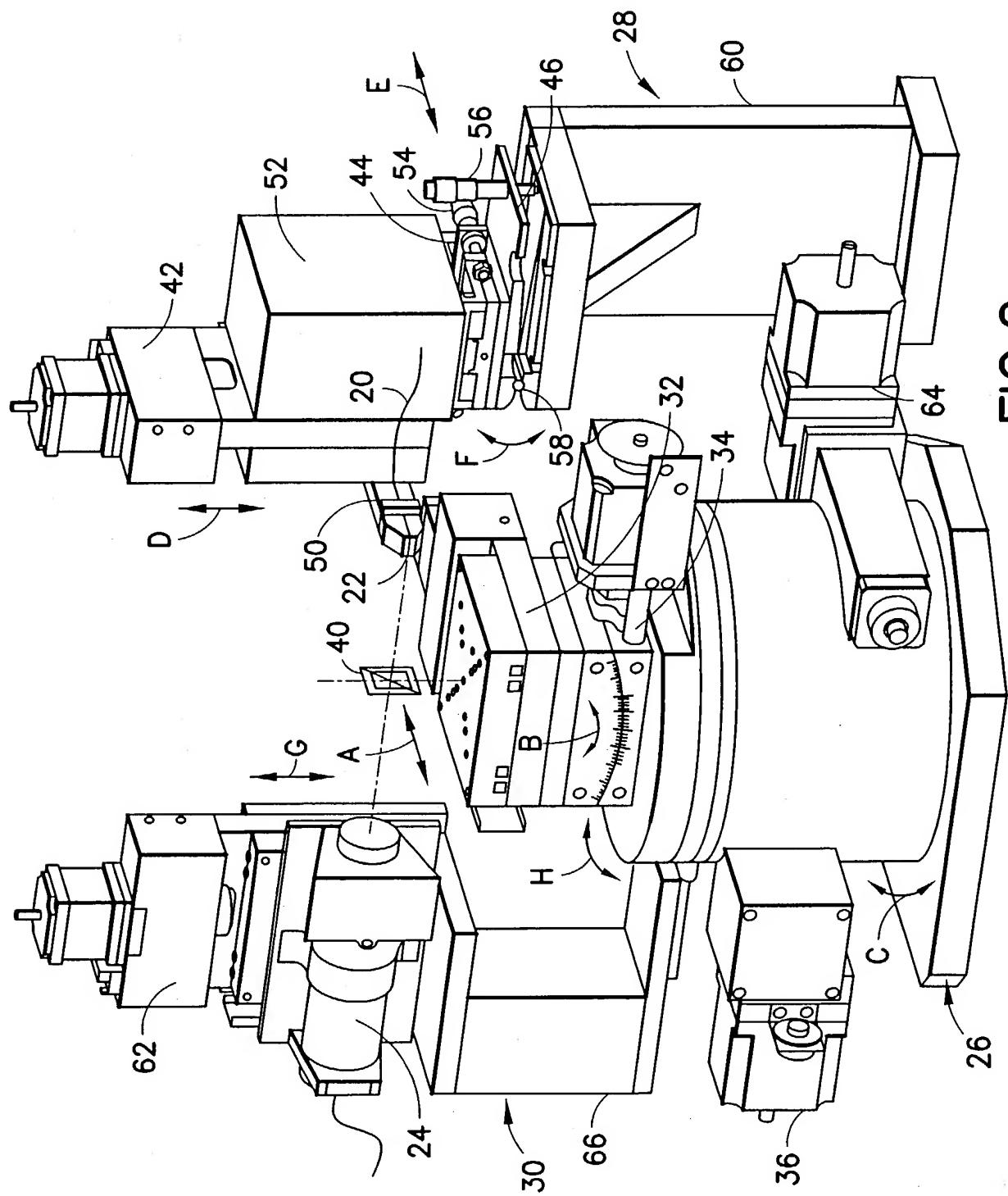


FIG.1



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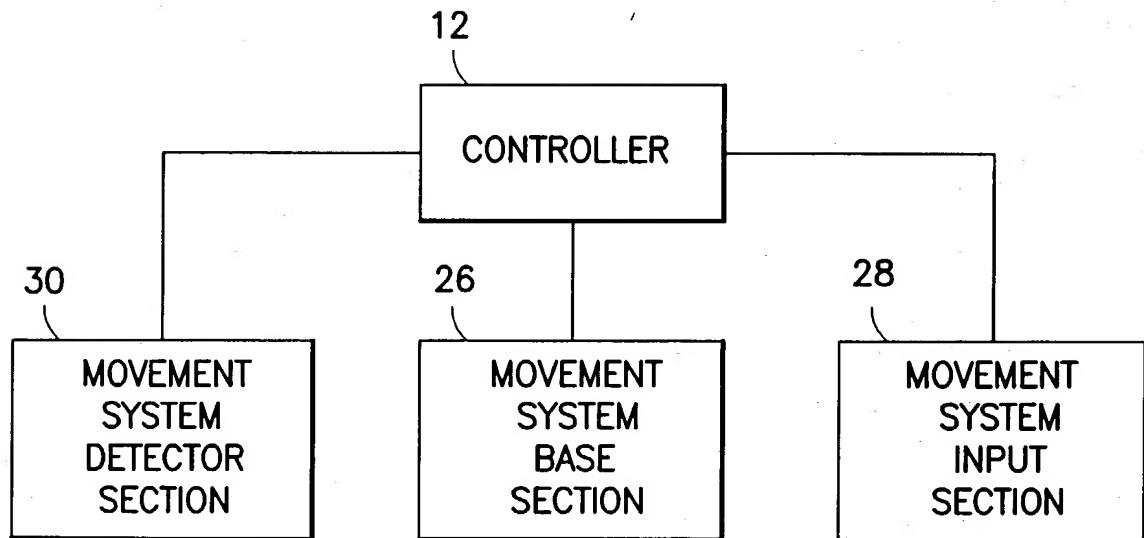


FIG.3

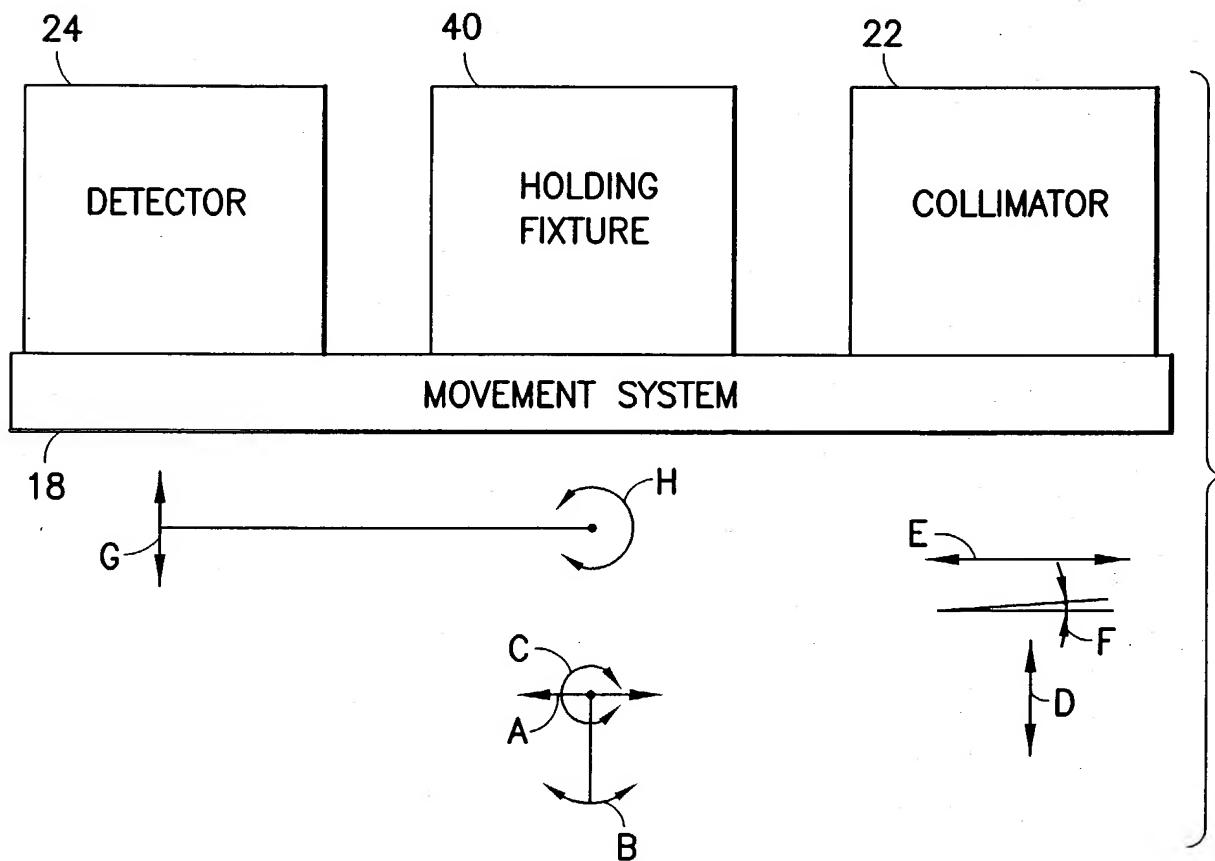


FIG.4

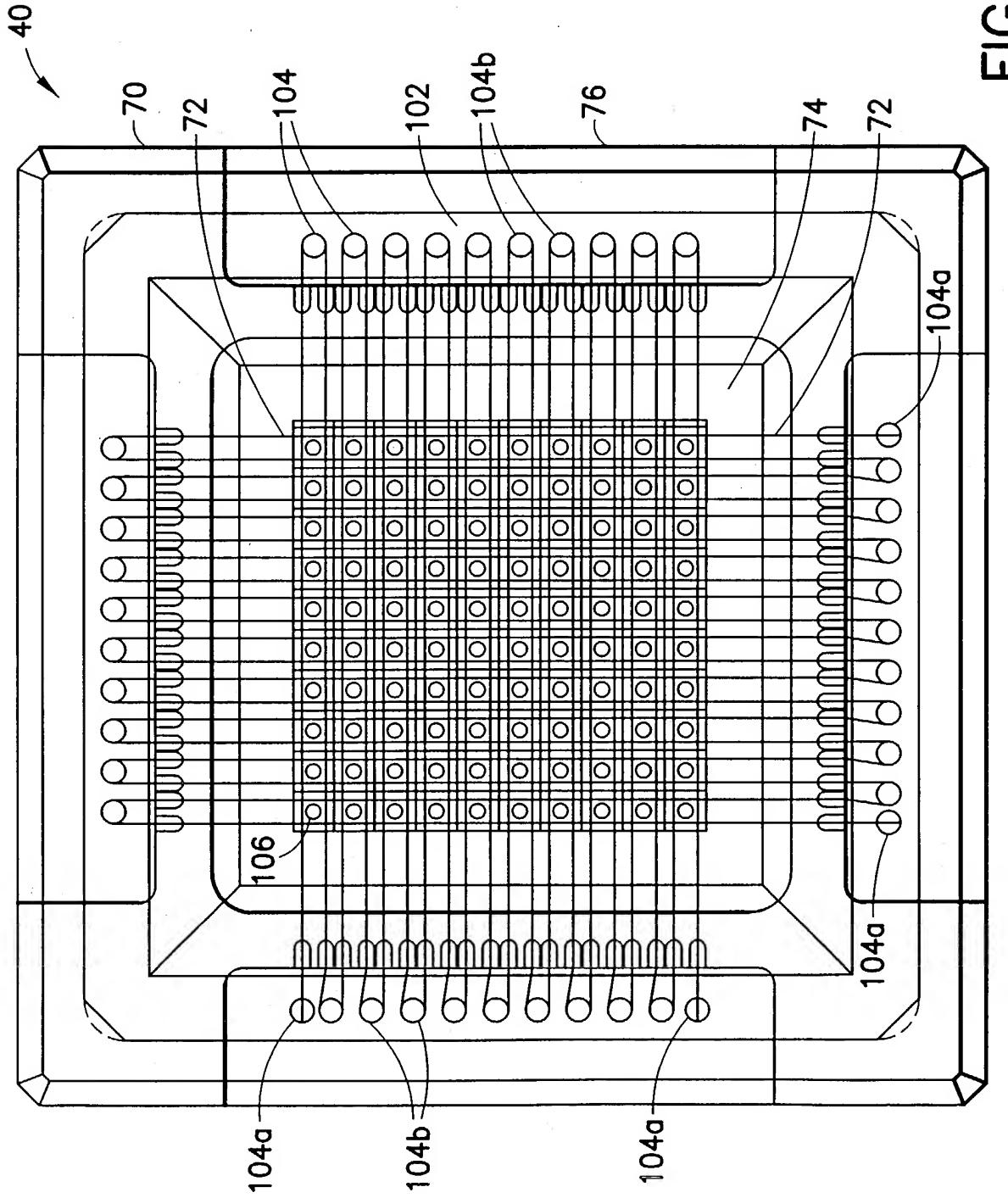
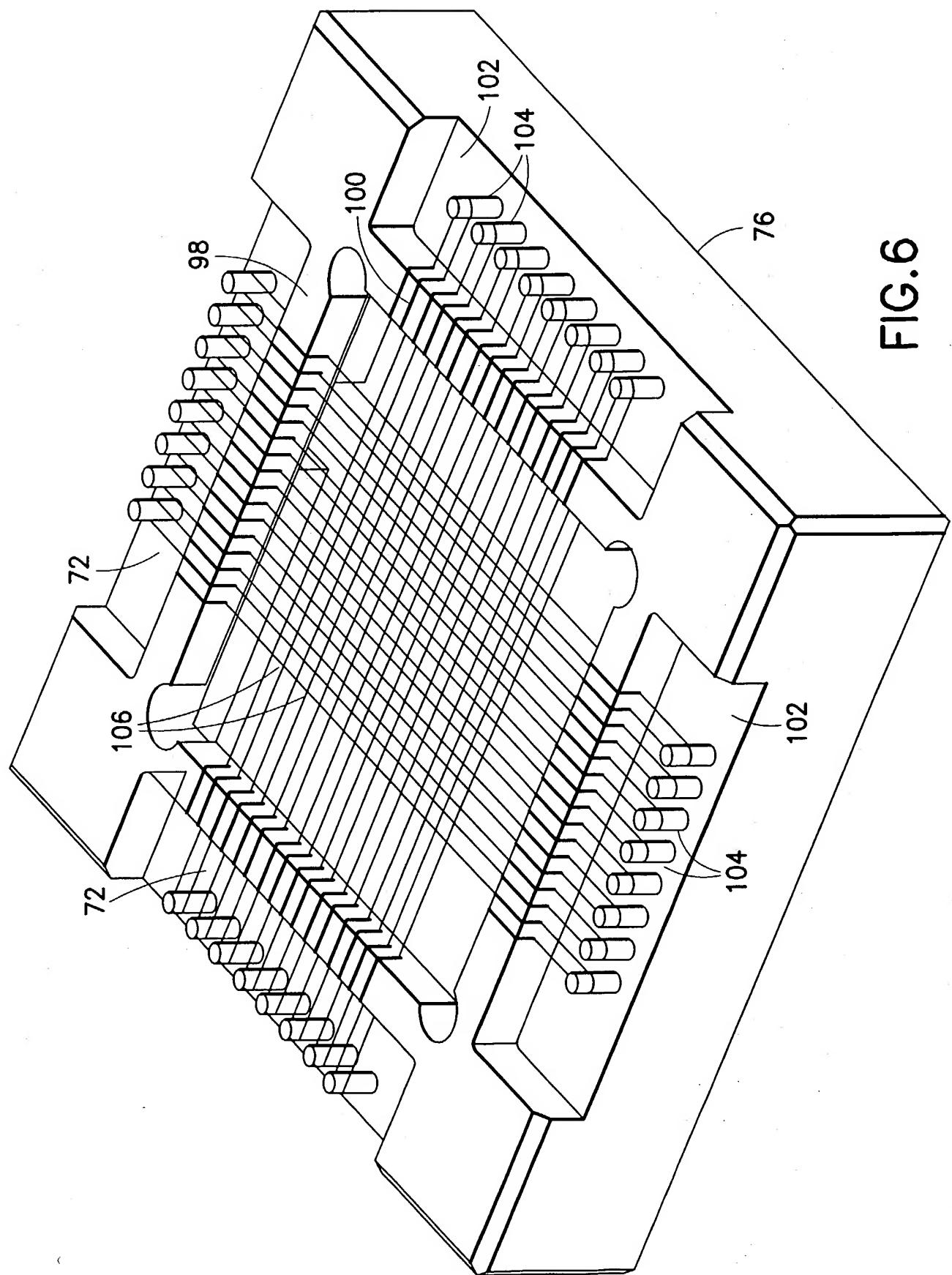
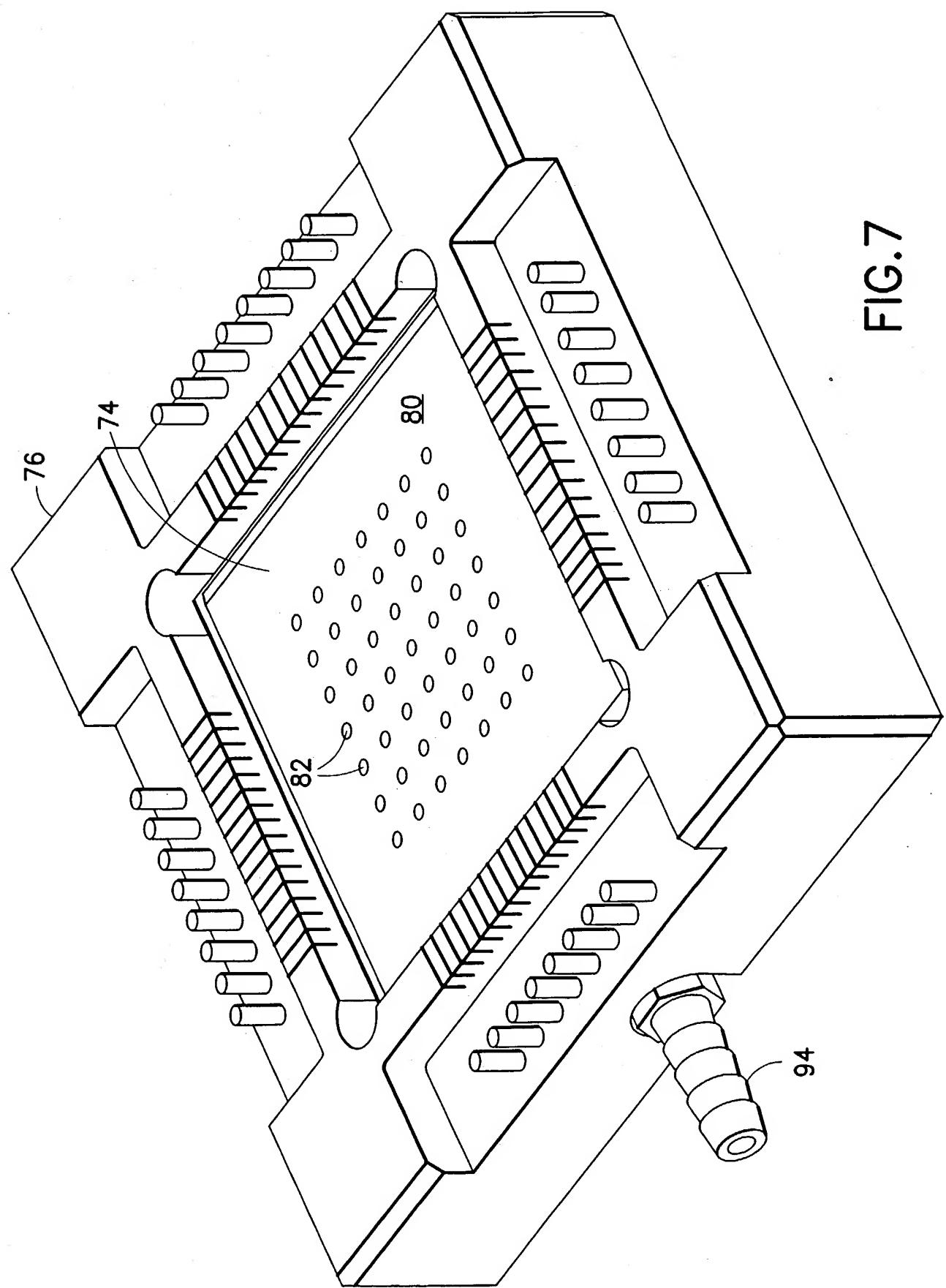


FIG. 5

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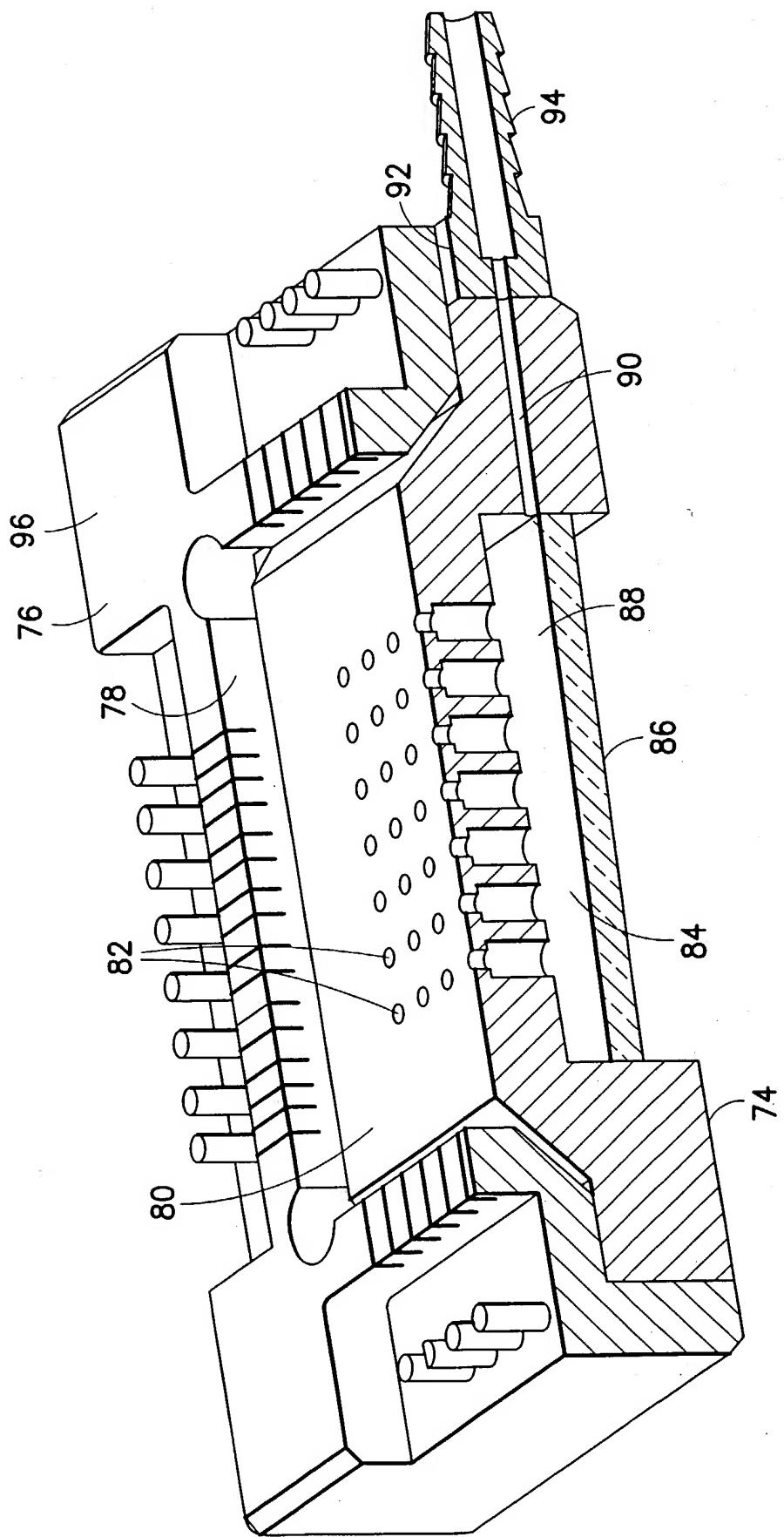


FIG.8

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FIG.9A FIG.9B

FIG.9

110

TUNABLE LASER WITH
GPIB INTERFACE AND
MULTIPLE POWER
SENSOR INTERFACE;
EXAMPLE, AGILENT
8164A/81640A/
81619A

GPIB, 120

12

PC COMPUTER
NETWORK HUB & LASER
SCAN TRIGGER CONTROL
EXAMPLE: 400MHZ
PENTIUM 3 + DISPLAY
+ KEYBOARD

DETECTOR
& FIBER
CIRCUITS,
114

116

UNIT #1
:6 AXIS MOTION
CONTROL INSTRUMENT,
WITH 1X FILTER ARRAY,
FIBER COLLIMATOR
WITH L/P FROM LASER,
3X O/P TO LASER;
1X InGaAs REMOTE DETECTOR,
10% REFERENCE SPLITTER
BACKREFLECTION COUPLER

AXIS CONTROL,
118a

12a

PC COMPUTER WITH
STAGE MOTION CONTROL
ALGORITHMS
INCLUDES 6 AXIS
MOTOR DRIVERS &
NETWORK CARD

FIG.9A

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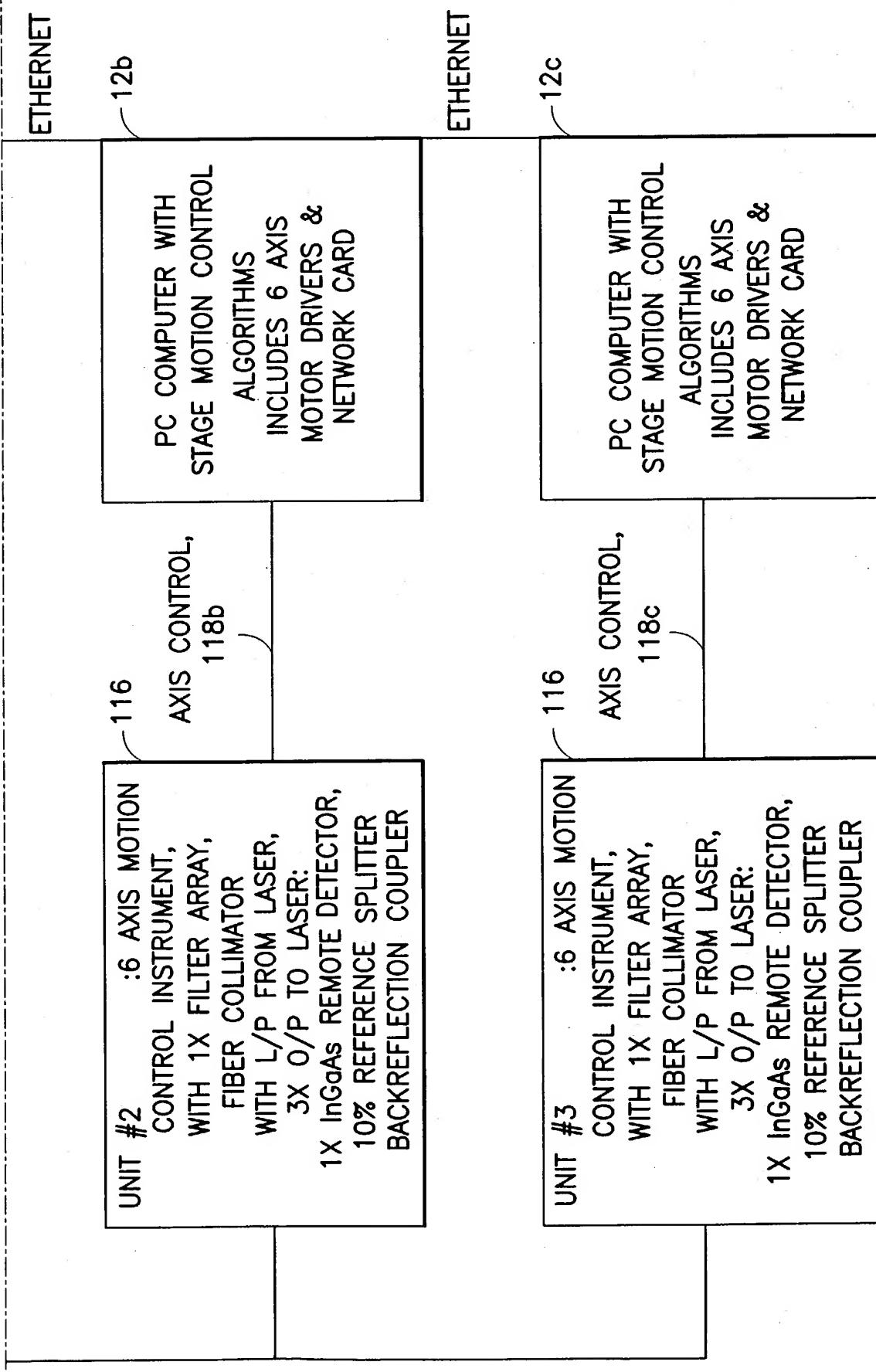


FIG.9B